

TASK ORDER 10-D
Curry County Road Department
Morrill Bridge Replacement Project

6129

Services for this Task Order will be performed and billed on a time and materials basis, in accordance with the conditions of the Professional Services Contract between Curry County and The Dyer Partnership, Engineers and Planners Inc. dated June 27, 2019.

This project is being funded in part by the State of Oregon through an agreement between Curry County and the State of Oregon. The agreement is titled the Local Agency Agreement State Funded local Project Program Floras Creek Road: Morrill Bridge. The Contract Number is Misc. Contracts and Agreements No. 33365. All work performed by the Contractor (Dyer) shall be in conformance with the Contractor's obligations as outlined within the agreement between Curry County and the State of Oregon. The Contractor is required to meet all insurance requirements, indemnify, and hold harmless the parties as outlined in the agreement.

SCOPE OF WORK

Provide existing Morrill Bridge strengthening plans for inclusion in new Morrill Bridge Construction Bid Package and provide Construction Administration and Construction Observation as outlined hereafter.

FOUNDATION

Curry County has entered into a funding agreement (No. 33365 Attachment B) with the Oregon Department of Transportation for the replacement of the Morrill Bridge, No. 15C26 on Floras Creek Road from approximately Mile Point 8.9 to Mile Point 8.01. The existing wood bridge structure was evaluated by ODOT in 2020, and repairs to the existing structure were identified as being required. These repairs need to be designed and included with the Contract Documents for the new Morrill Bridge Replacement Project. In addition, during construction of the project, the County needs Construction Management assistance.

SCOPE OF ENGINEERING SERVICES

Pursuant to the agreement between Curry County and the Dyer Partnership Engineers and Planners, Inc. for Engineering Services adopted June 27, 2019; the County needs engineering services for the existing Morrill Bridge Strengthening and Construction Administration for the Morrill Bridge Replacement project.

Bridge Design Engineering Services for Bridge Maintenance Repair and Strengthening

- Engineer shall review the 2020 ODOT Bridge Inspection Report and perform engineering calculations to develop maintenance repair measures to address the identified maintenance recommendations necessary to keep the existing bridge functional during the construction phase.

- Engineer will identify anticipated construction equipment to be necessary to construct the new bridge based on a review of similar structure types.
- Engineer shall review the 2020 ODOT Load Rating and update to reflect the maintenance repair measures and evaluate the existing structure for anticipated construction equipment. Engineer will develop additional strengthening measures and load restriction requirements for the anticipated construction equipment and include those measures in the load rating update.
- Engineer shall prepare engineering Plan drawings, Specifications, and an Engineer's estimate ("PS&E") documents specific to the existing bridge repair/strengthening component that are to be incorporated in the overall project's Final Plans (100% PS&E package).
- Engineer shall provide Preliminary Plans and Advanced Plans specific to the existing bridge maintenance repair/strengthening for Curry County review.
- Engineer shall incorporate review comments from Curry County from each previous milestone prior to the Final Plans submittal.
- Engineer shall provide responses to contractor questions from potential bidders during the bidding process specific to the bridge maintenance repair and strengthening.

Baseline Assumptions:

- Bridge design will be in accordance with the 2017 8th Edition of AASHTO LRFD Bridge Design Specification as supplemented with the 2019 ODOT Bridge Design Manual.
- Bridge load rating will be in accordance with the 2018 ODOT LRFR Manual ('ODOT LRFR').
- Project Special Provisions will be developed based on the 2018 Oregon Standard Specification of Construction.
- Engineering drawings will be produced in AutoCAD.

Services Performed by Engineer:

- Develop Special Provisions to the 00500 sections of Oregon Standard Specifications of Construction using ODOT Boilerplate Special Provisions specific to the bridge maintenance repair and strengthening.
- Develop an Engineer's Cost Estimate specific to the bridge maintenance repair and strengthening. Estimate to be based on historical bid cost data published by ODOT.
- Develop engineering Plan drawings for the bridge repair and strengthening up to three (3) sheets as follows:
 - Construction Equipment Loading Diagram and Requirements sheet
 - Repair and Strengthening Details 1 of 2.
 - Repair and Strengthening Details 2 of 2.

- Update the existing bridge load rating based on the repair and strengthening design in accordance with ODOT LRFR. Modification for as-constructed condition is excluded.
- Provide up to two (2) responses to contractor Questions During Bid ('QDB') specific to the bridge maintenance repair and strengthening from potential bidders.

Deliverables:

- Preliminary Plans specific to the existing bridge repair/strengthening, electronic PDF format.
- Advanced Plans specific to the existing bridge repair/strengthening, electronic PDF format.
- Final Plans (100% PS&E) milestone, sealed engineering Drawings and Specifications specific to the existing bridge maintenance repair/strengthening, electronic PDF format.
- Response to Questions during Bid specific to the bridge maintenance repair and strengthening via email, within five (5) days of receipt from Contractor.
- Addendum with sealed drawings and specification to reflect modifications required based on questions during bidding specific to the bridge maintenance repair and strengthening.

Contract Administration/Construction Management

The Engineer will perform the following tasks for Construction Administration:

- Administer construction contract.
- Administer a Preconstruction Meeting at a location selected by Owner.
- Prepare necessary pay requests and change orders.
- Notify Curry County staff immediately of potential construction problems and recommend a cost-effective remedy in order to not delay the construction.
- Tabulate payment quantities and recommend payments to the Contractor.
- Review construction work drawings, shop drawings, and other submittals developed by the Contractor and provided to the Engineer. Engineer will return approved working drawings, shop drawings, and other submittals to the Contractor.

- **Requests for Information:** Provide consultation and technical services regarding design issues raised during construction of the Project. Engineer shall clarify construction contract documents and provide written responses to Requests for Information (RFI). The design consultation will occur only as required and may be ongoing throughout the construction phase. The assumption for budgeting purposes is that this task presumes up to twenty RFIs, requiring three hours staff time. Of the twenty RFIs, it is assumed that ten RFIs requiring up to three hours each will be structural subconsultant related.
- **Design Modifications:** Engineer will prepare detailed engineering design revisions necessitated by conditions encountered during construction. For budgeting purposes, this task assumes up to four (4) design modifications, each requiring up to ten hours of staff time for preparation of the engineering design revisions. Of the four (4) design changes, two (2) are assumed to require structural engineering performed by the structural subconsultant.
- **Project Manager to make periodic site inspections.**
- **Develop construction stakeout points and layout sheets for construction stakeout.** Right-of-way, easements pertinent to construction, bridge abutments, and catch basins will be staked for construction.
- **Conduct project meetings as needed.** Meeting frequency will be adjusted to construction schedules.
- **Provide the Owner with as-built record drawings.**
- **Bridge Load Rating:** Provide a bridge load rating in conformance with the LRFR procedures and software specified in the ODOT LRFR Manual (current edition at the time load rating work is performed), including all reference standards incorporated into the manual in Section 1.3.1.
- **Review contractor's archaeological work sequence and plans for conformance with the contract documents.** Assumption for budgeting purposes: Archaeological coordination, meetings, and review services are assumed to require forty hours of staff time.

- **Project Closeout:** Engineer to assist the Owner with closeout documents as required by ODOT funding, including providing the following items:
 - PDF of As-Constructed Bridge Drawings
 - Structural Analysis Information (if applicable)
 - Foundation Report
 - Hydraulic Report including Scour Analysis
 - Pile Records and Drill Logs (if applicable)
 - Final Load Rating calculation with a stamped report with a CD containing all electronic copies to the State's Senior Local Bridge Standards Engineer.
 - Notify State's Local Agency Bridge Inspection Coordinator to ensure the initial inspection will be scheduled.
 - Inspection with State's Project Manager, State's Region Senior Structural Designer, or State's Senior Local Bridge Standards Engineer.

Construction Observation Services

- Provide up to 525 hours of construction observation services. Curry County forces will supplement any additional resident observation required for this project. Curry County will coordinate with the Engineer for observation services requested.

Engineer to keep daily logs and observation reports during construction. The Owner will receive a copy of all reports at the completion of the project.

- **Structural Engineering Construction Observation** assumes up to four (4) on-site meetings, each requiring up to eight hours of staff time for preparation and documentation of the visit. The structural subconsultant on-site observations are anticipated as follows:
 - Construction phase kick-off meeting
 - Substructure construction
 - Prefabricated concrete box beam placement
 - Final walk through

Schedule (anticipated)

- Curry County approval: February 2, 2022
- Existing Morrill Bridge Strengthening work: Feb 3, 2022.
- Contract Administration/Construction Management/Observation Services: To be determined dependent on award of construction contract and Contractor's schedule.

Proposed Fee

Services will be performed and billed on a time and materials basis, in accordance with the conditions of the Professional Services Contract and fee listed herein. The fee for these services is not to exceed a maximum \$293,195.00 including all professional services and reimbursable expenses.

Exclusions

- Archaeological monitoring and reports are excluded. The construction contractor is to hire the archaeological consultant.
- Engineer is not responsible for the Contractor's means and methods of construction or safety procedures.
- Special inspections such as concrete testing, compaction testing, rebar inspections, welding inspections, etc., are to be performed by others.
- Environmental compliance and mitigation monitoring if required, is excluded.
- O&M manuals are excluded.
- Construction Claim Support.

PAYMENT METHOD: Monthly Billing

Curry County Commissioners



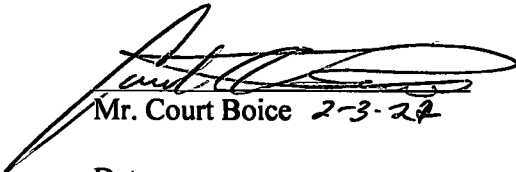
Mr. Chris Paasch

Date: _____

The Dyer Partnership
Engineers & Planners, Inc.

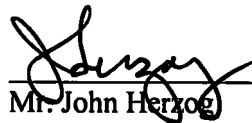
Aaron Speakman, President

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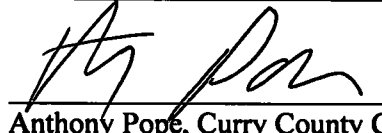
Mr. Court Boice 2-3-22

Date: _____



Mr. John Herzog

Date: 2-3-2022



Anthony Pope, Curry County Counsel

Date: 2/3/2022

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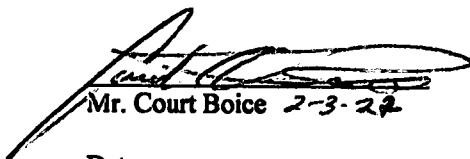
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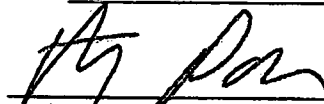
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Mr. John Herzog

Date: 2-3-2022


Anthony Pope, Curry County Counsel

Date: 2/3/2022

The Dyer Partnership
Engineers & Planners, Inc.


Aaron Speakman, President

Date: 2/24/2022

ESTIMATE OF MAN HOURS AND COSTS									
DATE: 01-26-22		PROJECT: Task Order No. 10D - Morrill Bridge Constructi Phase 1: Construction Management							
TASK	PRIN MGR	PROJ MGR	PROJ ENGR 2	MAN HOURS			INSPECT	2-M SUR CREW	CLER 2
				ENG TECH 2	DESN				
1 Construction Management	60	200	100						20
2 Structural Coordination	8	14	12						4
3 Submittal Reviews	8	32	40						8
4 Requests for Information	10	30	20						
5 Design Revisions	8	20	12						
6 Construction Stakeout	4	8	10					50	
7 Construction Observation	16	40	40				525		16
8 Bi-Weekly Project Meetings	40	80	40						
9 Partial payments/change orders	16	24	32						
10 Permitting Coordination	4	8	14						
11 Archaeological Coordination	6	8	24						
12 Record Drawings	1	2	2		16				1
13 Project closeout	8	16	24				16		8
TOTAL ESTIMATED HOURS	189	482	370	0	16		541	50	57
MATERIAL COSTS		DESCRIPTION OR UNIT		QUANTITY		UNIT COST		TOTAL COST	
REPORT								0.00	
PHOTOGRAPHS								0.00	
COST ESTIMATE								0.00	
PLANS AND PRINTS				10		50		500.00	
SPECIFICATIONS				10.00		50		500.00	
OTHER								0.00	
TOTAL MATERIAL COSTS								\$1,000.00	
TRAVEL AND PER DIEM				DETAIL				TOTAL COST	
MILEAGE				10000		\$0.59		5,850.00	
COMMERCIAL									
PER DIEM				0		\$45		0.00	
LOCAL TRANSPORTATION									
LODGING				0		\$90		0.00	
TOTAL TRAVEL AND PER DIEM								\$5,850	
OTHER SIGNIFICANT COSTS				DETAIL				TOTAL COST	
HDR (Structural Engineering Subconsultant) - Existing Bridge Strengthening								20,400.00	
HDR (Structural Engineering Subconsultant) - Construction Services								48,600.00	
OTHER									
TOTAL OTHER SIGNIFICANT COSTS								\$69,000	

PREPARED BY: AJS

SUMMARY						
BREAKDOWN OF PROPOSED FEE						
DATE:	01-26-22	PROJECT:	Task Order No. 10D - Morrill Bridge Construction Admin			
		LABOR	PHASE			
		RATE	— -1- —		— -2- —	
		\$/HR.	HRS.	AMOUNT	HRS.	AMOUNT
DIRECT LABOR COSTS:						
PRINCIPLE MANAGER-----		150.00	189	28,350.00	0	0.00
PROJECT MANAGER-----		140.00	482	67,480.00	0	0.00
PROJECT ENGINEER 2-----		130.00	370	48,100.00	0	0.00
ENGINEER TECH 2-----		110.00	0	0.00	0	0.00
DESIGNER-----		95.00	16	1,520.00	0	0.00
CONSTRUCTION OBSERVER		95.00	541	51,395.00	0	0.00
2-MAN SURVEY CREW		160.00	50	8,000.00	0	0.00
CLERICAL 3-----		85.00	57	4,845.00	0	0.00
TOTAL DIRECT LABOR COSTS:				\$209,690		\$0
DIRECT PROJECT EXPENSES						
A. MATERIAL COSTS (BREAKDOWN ATTACHED)				1,000.00		0.00
B. TRAVEL & PER DIEM (BREAKDOWN ATTACHED)				5,850.00		0.00
C. OTHER SIGNIFICANT COSTS (BREAKDN ATTACHED)				69,000.00		0.00
D. ADMINISTRATIVE FEE 10 % OF A,B,&C				7,585.00		0.00
TOTAL OF: A THROUGH D				\$83,435.00		\$0.00
TOTAL FEE (PER PHASE):				\$293,125		\$0
Phase 1: Construction Management						\$293,125
Total						\$293,125

PREPARED BY: AJS